विद्युत मंत्री (श्री रंगराजन कुमारमंगलम) : (क) विद्युत का उत्पादन ताप, जल और न्यूक्लीय ऊर्जा स्त्रोंतों से किया जाता है । इसके अतिरिक्त, विद्युत की कुछ मात्रा का उत्पादन गैर-पांरपरिक ऊर्जा स्त्रोंतो से भी किया जाता है ।

(ख) 31.1.1998 की स्थिति के अनुसार जल विद्युत और ताप विद्युत स्त्रोतों से अधिष्ठापित विद्युत उत्पादन क्षमता निम्नवत है :-

ताप विद्युत	64005.8 मे. वा.
जल विद्युत	21891.1 मे. वा.

(ग) वर्ष 1995-96, 1996-97 और 1997-98 के दौरान ताप विद्युत संयत्रों का संयत्र भार अनुपात (पीएलएफ) क्रमशः 63%, 64.4% और 64.7% था । जल विद्युत केन्द्रों का समुपयोजन वर्ष में जल की उपलब्धता पर निर्भर करता है । वर्ष 1955-96, 1996-97 और 1997-98 के दौरान जल विद्युत और ताप विद्युत संयत्रों से विद्युत का सकल उत्पादन निम्नवत था :-

	1995-96	1996-97	1997-98
जल विद्युत	72579	68609	74476
ताप विद्युत	299316	316869	336104

(घ) जी, हां । यह अनुमान लगाया गया है कि 2001-02 के अंत तक 23526 में. वा. ताप विद्युत और 9820. में.वा. जल विद्युत क्षमता व्यवहार्य है । यह तरल ईंधन परियोजनाओं के कारण सभाएं क्षमता अभिवृद्धि के अलावा है ।

Power to Kerala from Central Pool

1607. SHRI VAYALAR RAVI: Will the Minister of POWER be pleased to state;

(a) whether Government of Kerala has requested for more electricity from the Centre Pool;

(b) if so, the total quantity of electric power requested for by Kerala Government; and

(c) the action taken in this regard?

THE MINISTER OF POWER (SHRI R. KUMARAMANGALAM): (a) to (c) Kerala requested for 100 MW of power from Eastern region. This power was arranged and power is following from Eastern Region through Western Region and over the 400 KV Chandrapur-Ramagundam inter regional HVDC line w.e.f. 1.2.1998. The month-wise quantum of energy supplied by Eastern Region to Kerala is furnished below:—

Month	Energy Supplied
February, 1998	69.16 MU
March. 1998	79.77 MU
April, 1998	78.97 MU

Kerala has been allocated 22.5% power from the unallocated power of Central Sector stations in Southern Region.

Foreign Assistance to Hydro-Electric Power Projects

1608. SHRI RAHASBIHARI BARIK: Will the Minister of POWER be pleased to state;

(a) the names of the hydro-clcctric projects constructed with foreign assistance in Orissa and Uttar Pradesh;

(b) the present status of each of these projects;

(c) whether some of the projects have since been stopped by Government;

(d) if so, the details thereof and also the reasons therefor; and

(e) the time by which each of these projects are likely to be completed?

THE MINISTER OF POWER (SHRI R. KUMARAMANG\LAM): (a) to (c)

Two hydroelectric projects in Orissa namely Hirakud-I (1x37.5 MW) and Upper Indravati (4X150 MW) as well as three hydroelectric projects in Uttar Pradesh namely Srinagar (6x55 MW), Tehri Stage 1 (4x250 MW) and Dhauliganga Stage I (4x70 MW) were taken up for construction with foreign assistance. The details regarding present status and commissioning schedule, etc. are given in the statement.

Statement

S.No.	Name of the Project, State & Installed Capacity (MW)	Present Status	Commissioning Schedule
1.	Hirakud-I (Orissa) (1x37.5)	The Project was constructed with foreign assistance and is under operation.	ihe Project was commissioned in 1956—63
2.	Upper Indravati (Orissa) (4x150)	The Project was under construction with World Bank loan of US $ 156.4 million which was cancelled on 5.12.91. IDA credit of 156 million SDR is fully utilized. The project is under execution of Orissa Hydro Power Corporation with loan of Rs. 320 crores from Power Finance Corporation.	1999-2000
3.	Srinagar (U.P) (6x55)	Loan agreement with World Bank was signed in July, 1988. The loan was cancelled on 28.8.92 due to non-compliance of the World Bank conditions by the Govt. of Uttar Pradesh. Infrastructure and prcconstruction activities are in progress. The project is now to be taken in private sector. Power Purchase Agreement with M/fc Duncans North Hydro Power Company Ltd. signed in Dec, 1997.	2003-04
4.	Tchri Stage-I (U.P) (4x250)	Project is a joint venture of Govt, of India and Govt, of Uttar Pradesh and was to be executed with financial assistance of 1000 million Roubles from the erstwhile Soviet Union. With the disintegration of USSR, the financial assistance had been cancelled. The project is now being executed with budgetary support of Govt, of India and Govt, of U.P.	March 2002
5.	Dhauliganga (U.P.) (4x70)	The project is being implemented with OECF assistance. Loan agreement was signed on 26.5.95. Reimbursement under first tranche of Rs. 20.11 crores has been effected upto 28.2.98. Loan agreement on second tranche of 16,316 million Yen was signed on 12.12.97. Infrastructure and pre-construction works arc in progress.	Sept., 2004